

Title (en)
Fluid controller having axial modulation

Title (de)
Hydraulisches Ventil mit Axialmodulierung

Title (fr)
Soupape hydraulique avec modulation axiale

Publication
EP 0551623 B1 19960515 (EN)

Application
EP 92121336 A 19921215

Priority
US 81971592 A 19920113

Abstract (en)
[origin: US5186212A] A fluid controller (11) is disclosed of the type including a housing (13), a fluid meter (17), a primary (spool) valve (35), and a follow-up (sleeve) valve (37). An inlet port (23) is in communication with a series of fluid ports (85), and operating ports (91L and 91R) are in communication with the cylinder ports (27 and 29). Rotation of the spool relative to the sleeve causes axial displacement of the sleeve as a result of the configuration of a pin opening (55) in which a drive pin (53) is disposed. After a certain amount of axial movement of the sleeve, the various ports (85,91L,91R) begin to communicate with a pair of meter grooves (67R and 67L) and a tank groove (71R), respectively, to define variable axial flow control orifices (A1a,A4a,A5a).

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